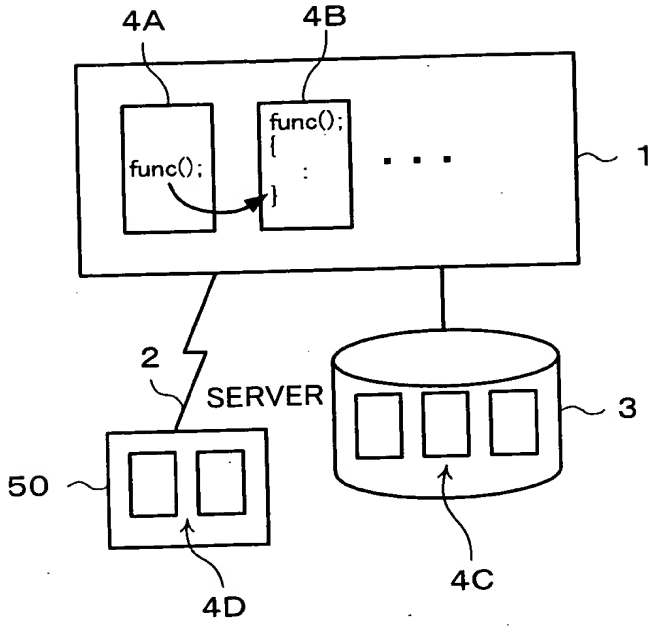
Fig. 1



Tazaki 08/23/05

Fig. 2

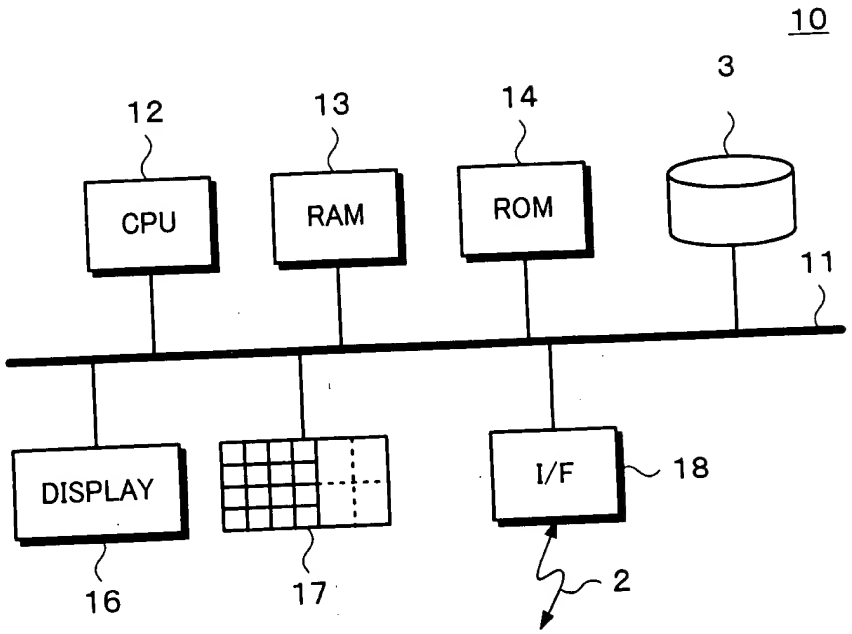
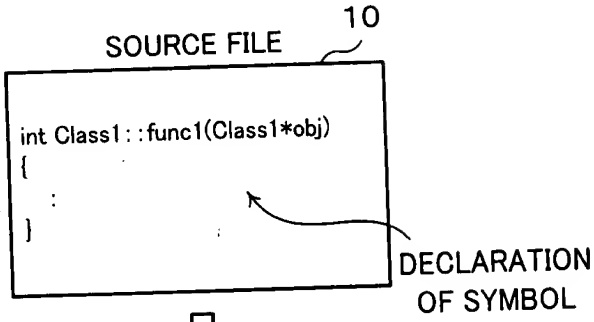
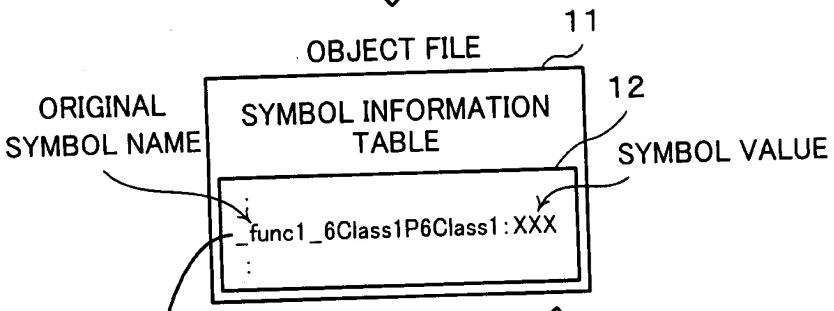


Fig. 3A



COMPILE

Fig. 3B



GENERATION OF COMPONENT

Fig. 3C

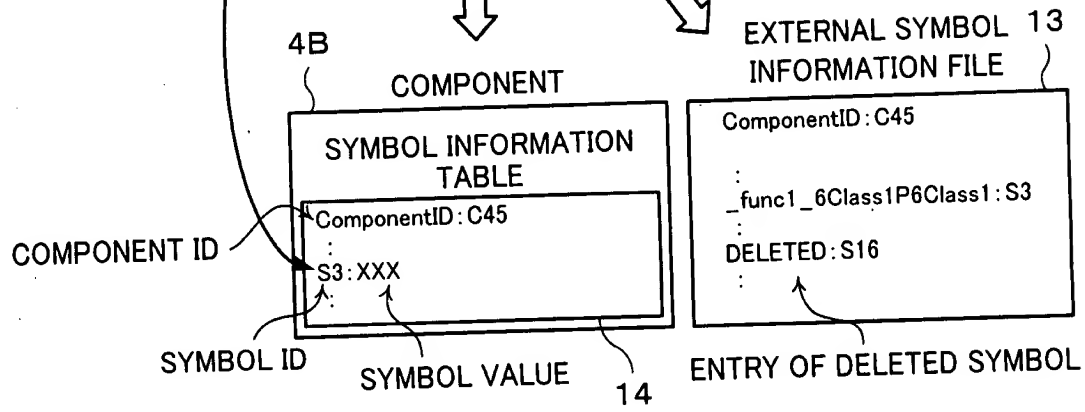


Fig. 4

13

ComponentID	COMPONENT ID
ORIGINAL SYMBOL NAME 1	SYMBOL ID 1
ORIGINAL SYMBOL NAME 2	SYMBOL ID 2
:	:
ORIGINAL SYMBOL NAME N	SYMBOL ID N

Fig. 5A

Fig. 5B

Fig. 5C

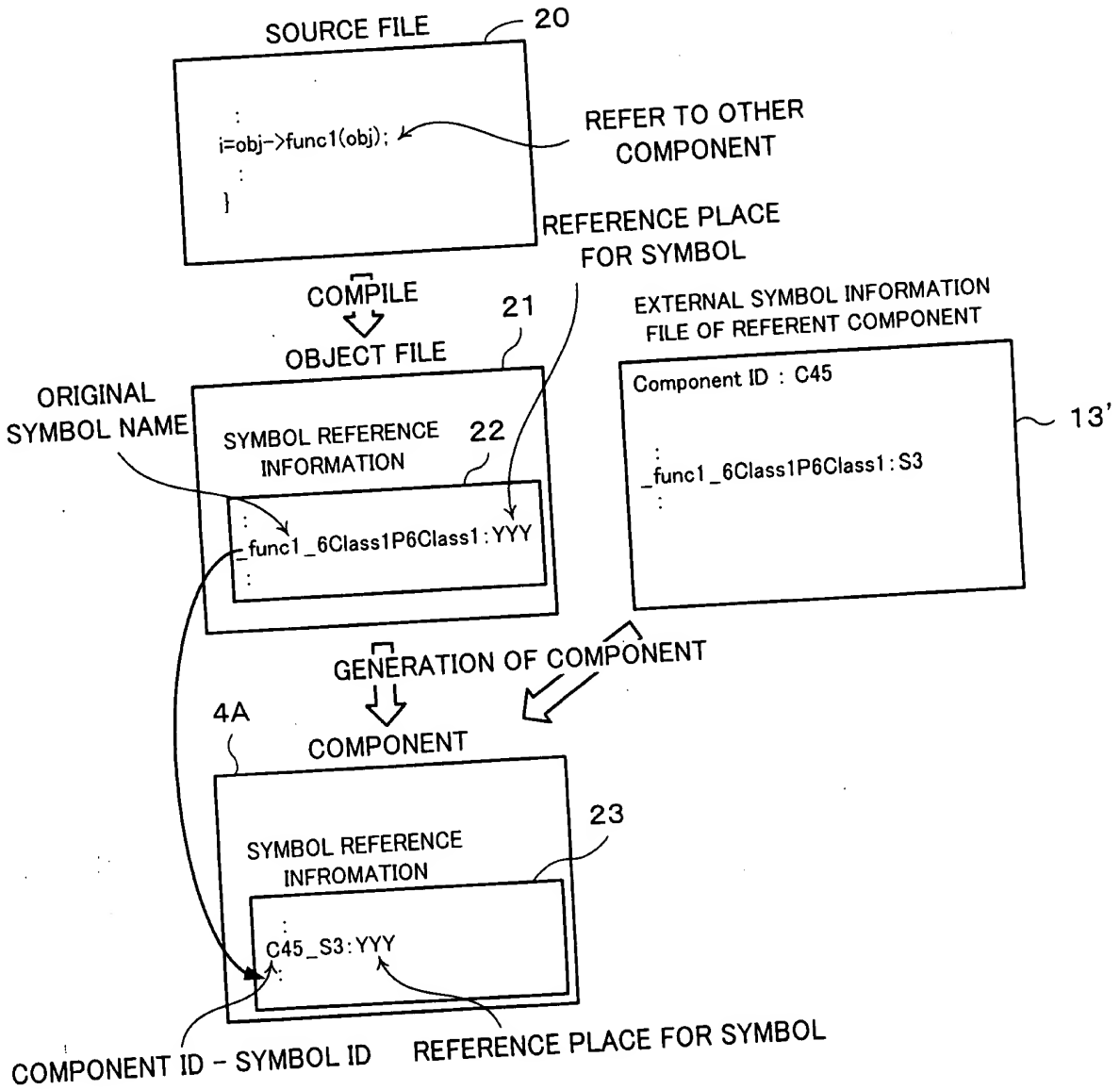


Fig. 6

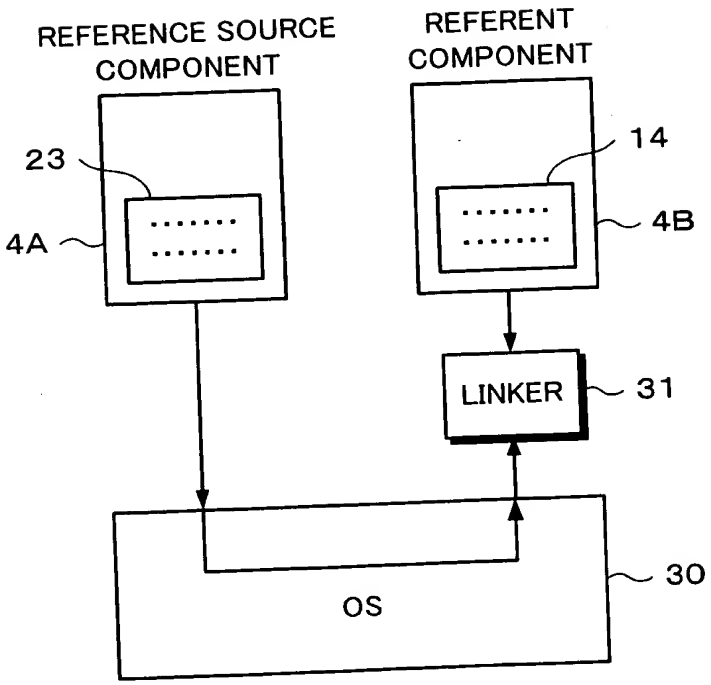
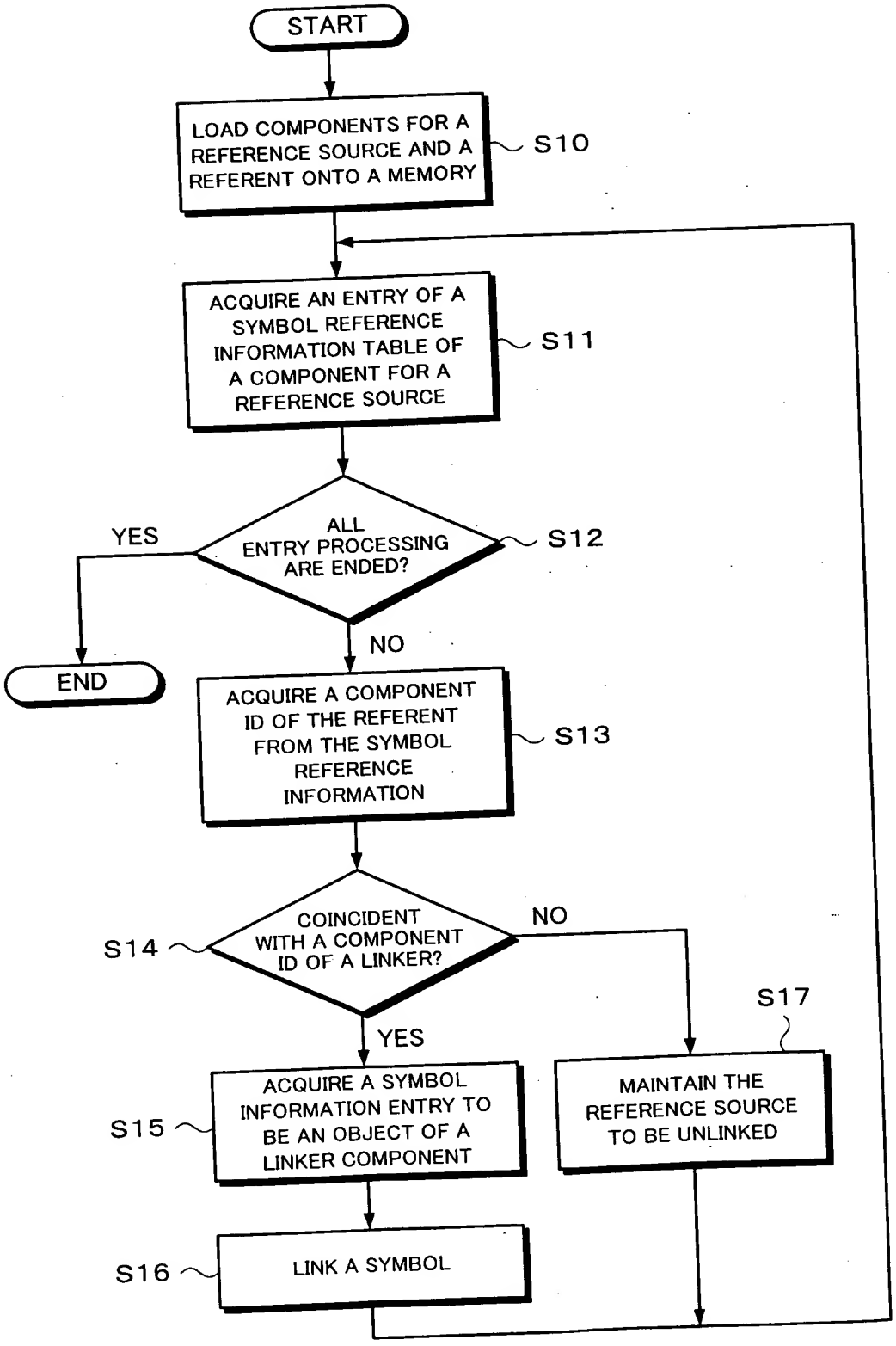

REFERENCE SOURCE COMPONENT
REFERENT COMPONENT
23
14
4A
4B
LINKER
31
OS
30

Fig. 7


START
LOAD COMPONENTS FOR A REFERENCE SOURCE AND A REFERENT ONTO A MEMORY
S10
ACQUIRE AN ENTRY OF A SYMBOL REFERENCE INFORMATION TABLE OF A COMPONENT FOR A REFERENCE SOURCE
S11
ALL ENTRY PROCESSING ARE ENDED?
S12
YES
NO
END
ACQUIRE A COMPONENT ID OF THE REFERENT FROM THE SYMBOL REFERENCE INFORMATION
S13
COINCIDENT WITH A COMPONENT ID OF A LINKER?
S14
NO
YES
S17
ACQUIRE A SYMBOL INFORMATION ENTRY TO BE AN OBJECT OF A LINKER COMPONENT
S15
MAINTAIN THE REFERENCE SOURCE TO BE UNLINKED
LINK A SYMBOL
S16